

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P672094

Luminaire Tested: **CCP-SA-2A-730-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672094
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-730-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

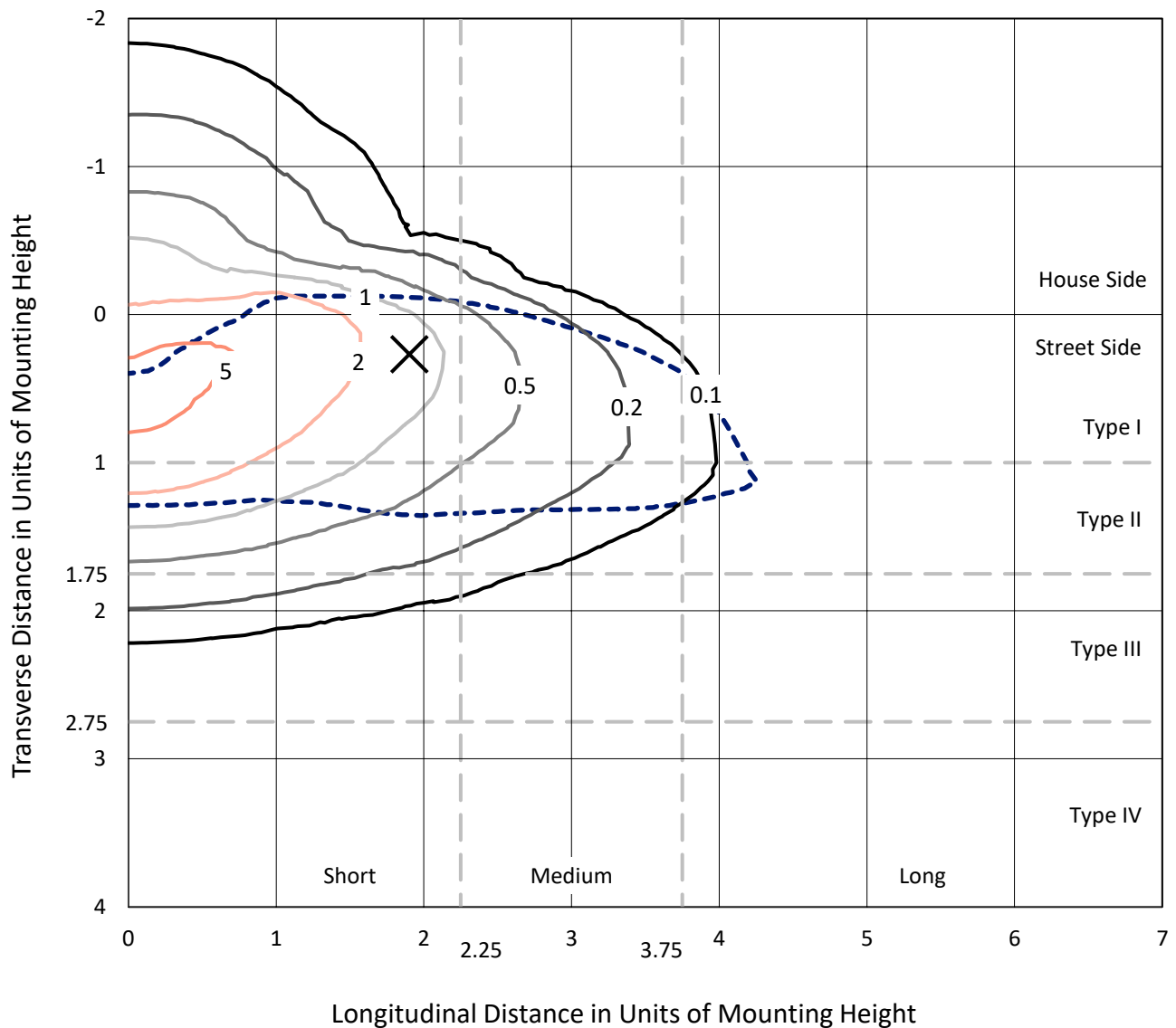
Lumens per Lamp: N/A
Luminaire Lumens: 5061 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

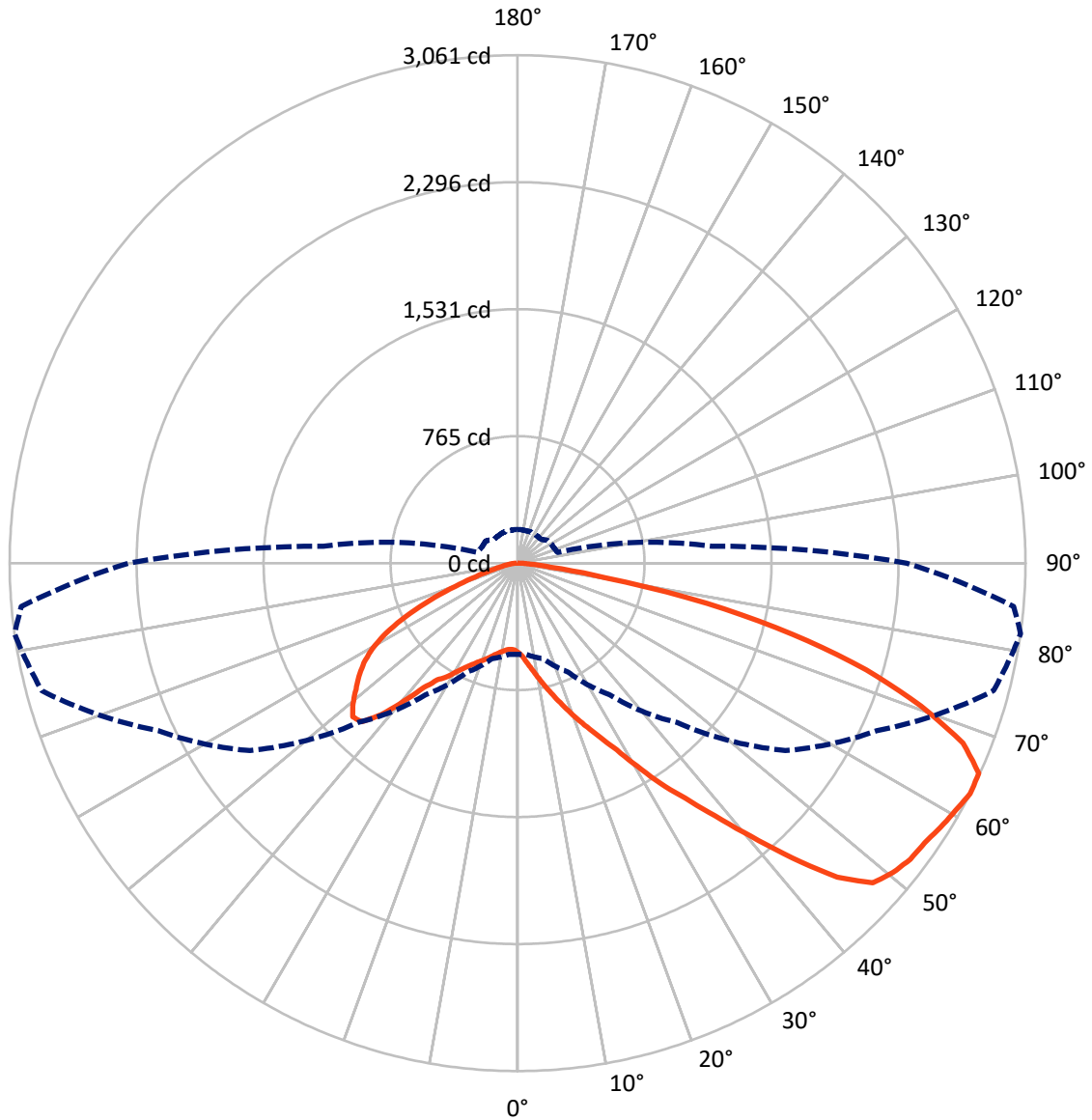
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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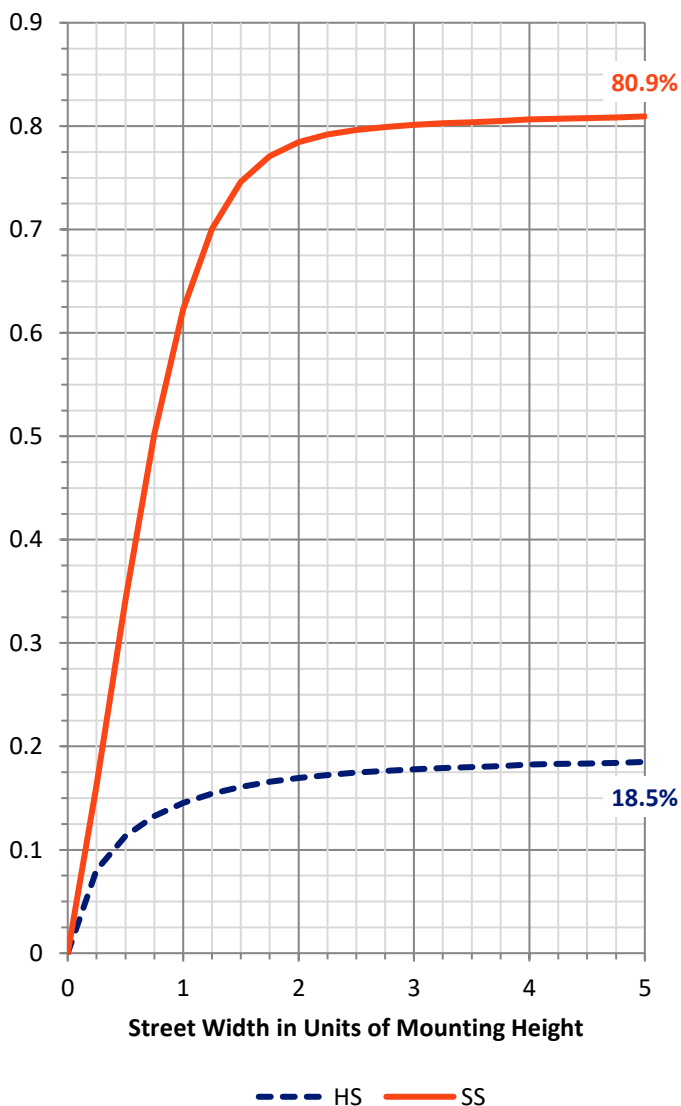
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	953.5	0.0	953.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4107.5	0.0	4107.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	5061.0	0.0	5061.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.2
10°-20°	224.6	4.4
20°-30°	465.2	9.2
30°-40°	789.6	15.6
40°-50°	1075.2	21.2
50°-60°	1088.4	21.5
60°-70°	857.8	16.9
70°-80°	422.5	8.3
80°-90°	78.2	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5061.0	100.0
0°-180°	5061.0	100.0



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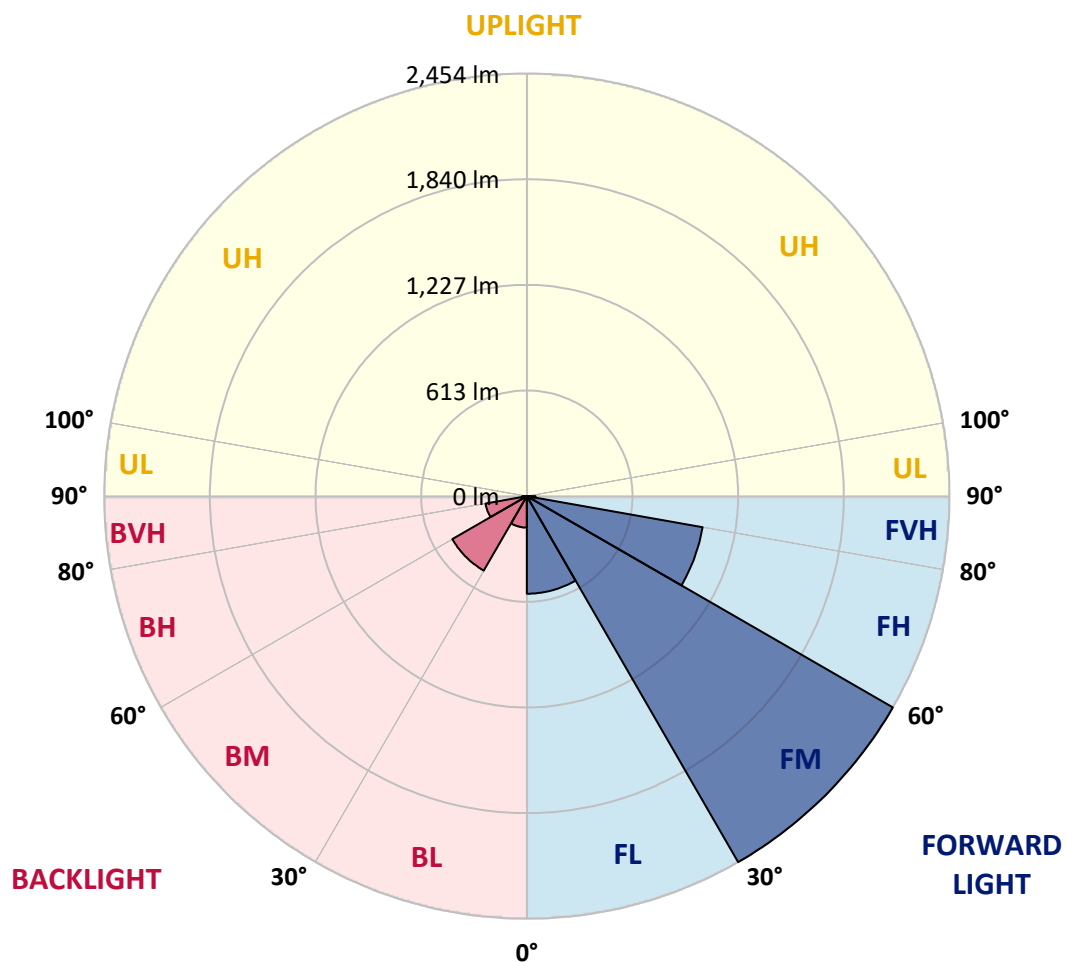
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	566.4	11.2			
FM (30°-60°)	2453.7	48.5			
FH (60°-80°)	1036.6	20.5			G1/1800
FVH (80°-90°)	50.8	1.0			G1/100
BL (0°-30°)	182.9	3.6	B1/500		
BM (30°-60°)	499.4	9.9	B1/1000		
BH (60°-80°)	243.7	4.8	B1/500		G1/500
BVH (80°-90°)	27.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	538.2	538.2	538.2	538.2	538.2	538.2	538.2	538.2	538.2	538.2	538.2
2.5°	716.8	705.8	700.0	693.4	675.2	663.6	641.7	616.2	586.7	561.5	556.8
5°	868.0	857.0	858.5	842.5	815.9	791.1	750.3	702.2	646.1	603.1	588.1
7.5°	974.7	962.7	965.6	959.1	937.6	910.2	858.5	796.6	714.6	650.8	626.8
10°	1046.2	1047.6	1049.8	1047.3	1033.4	1014.1	962.7	894.2	792.2	707.3	674.5
12.5°	1127.1	1131.1	1130.3	1131.4	1124.1	1108.8	1058.6	994.1	874.9	768.1	725.5
15°	1230.2	1226.2	1229.5	1234.2	1226.2	1209.4	1165.0	1088.4	961.6	835.9	783.1
17.5°	1343.1	1334.8	1343.5	1338.8	1332.9	1322.0	1273.2	1191.6	1051.3	909.2	847.2
20°	1440.8	1435.3	1440.1	1440.8	1441.9	1439.7	1389.4	1302.7	1145.3	989.0	916.4
22.5°	1550.5	1547.9	1547.2	1547.6	1548.7	1551.2	1517.0	1424.4	1249.5	1072.8	991.1
25°	1703.9	1701.3	1684.6	1666.0	1655.1	1663.1	1645.2	1562.5	1364.6	1166.8	1073.1
27.5°	1875.9	1871.9	1849.6	1802.6	1767.7	1773.5	1771.7	1714.8	1497.3	1274.6	1171.5
30°	2054.4	2044.6	2014.0	1948.0	1893.0	1882.8	1887.9	1869.0	1664.2	1417.8	1308.5
32.5°	2213.7	2195.4	2155.0	2088.3	2022.7	1993.2	1993.9	2002.3	1845.6	1584.7	1452.1
35°	2311.0	2298.9	2268.7	2201.3	2128.0	2108.4	2102.9	2144.8	2012.2	1739.2	1580.7
37.5°	2363.4	2351.8	2319.3	2265.0	2209.7	2201.6	2211.8	2276.7	2201.3	1932.0	1755.6
40°	2354.0	2341.6	2320.4	2282.5	2246.1	2252.3	2297.5	2397.7	2407.9	2162.7	2004.9
42.5°	2276.0	2262.9	2261.0	2258.5	2241.4	2268.7	2350.3	2486.2	2597.7	2429.0	2306.6
45°	2138.2	2130.2	2139.7	2183.4	2204.9	2257.8	2375.1	2529.2	2764.6	2699.8	2591.9
47.5°	1963.7	1959.0	1980.5	2049.7	2119.3	2224.2	2391.5	2540.9	2879.4	2879.4	2778.8
50°	1768.4	1766.6	1795.0	1895.6	2004.5	2162.7	2389.7	2551.8	2929.7	2932.2	2844.8
52.5°	1495.8	1505.3	1581.1	1713.7	1861.7	2066.1	2364.2	2582.4	2958.1	2963.9	2888.9
55°	1181.7	1190.8	1305.2	1483.8	1673.3	1948.8	2288.0	2573.3	2963.6	2976.7	2914.0
57.5°	943.4	945.2	1016.6	1228.7	1463.4	1798.6	2200.2	2512.8	2947.5	3004.8	2952.6
60°	738.3	744.1	791.8	959.8	1220.0	1605.1	2102.2	2453.1	2956.7	3031.4	2987.6
62.5°	549.9	551.3	595.8	725.9	969.3	1358.4	1969.2	2389.3	2969.4	3061.2	3001.8
65°	358.2	357.8	400.8	518.2	724.0	1092.1	1760.4	2289.5	2970.5	3054.7	2936.6
67.5°	227.7	229.2	247.8	321.8	484.6	824.2	1476.1	2104.0	2918.8	2895.8	2699.0
70°	184.7	185.1	190.9	210.3	295.2	563.3	1109.6	1813.9	2755.1	2579.1	2345.9
72.5°	164.7	165.1	168.0	170.2	196.8	338.5	728.1	1472.9	2464.4	2198.4	1946.2
75°	147.9	147.9	149.8	147.6	161.4	212.4	413.2	1107.4	2029.6	1711.9	1470.3
77.5°	129.7	129.4	129.4	128.3	139.6	155.2	207.0	772.9	1461.9	1167.5	953.6
80°	110.0	109.3	110.4	109.7	120.6	117.7	120.6	477.0	792.5	535.3	405.9
82.5°	85.6	85.6	88.9	89.6	99.5	85.3	84.9	226.3	301.0	200.0	149.8
85°	44.8	50.3	67.8	70.7	75.1	53.6	62.3	105.7	120.6	76.5	54.7
87.5°	13.5	14.2	41.5	46.6	46.3	27.0	38.3	51.0	56.5	33.9	22.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	538.2	538.2	538.2	538.2	538.2	538.2	538.2	538.2	538.2	538.2	538.2
2.5°	544.8	532.0	505.0	481.0	462.8	445.3	433.3	427.1	419.0	420.1	417.6
5°	561.5	535.3	487.6	448.9	423.1	403.4	391.4	385.2	379.3	376.4	378.6
7.5°	586.7	545.9	479.2	432.5	405.6	388.8	382.2	380.4	379.0	377.9	379.7
10°	619.1	564.4	477.7	426.7	401.9	391.7	389.2	388.1	386.6	385.2	386.3
12.5°	652.3	584.8	482.8	428.2	407.8	400.1	396.8	395.4	391.7	389.9	390.3
15°	693.8	609.6	489.7	434.0	415.4	405.6	401.2	397.2	391.4	388.8	389.9
17.5°	738.3	639.1	499.2	439.5	418.3	406.3	397.5	391.7	385.9	382.2	382.6
20°	788.5	668.3	507.6	441.3	416.9	400.1	389.5	382.6	375.0	370.9	369.9
22.5°	840.6	698.9	514.2	439.8	408.8	389.5	377.5	369.1	360.0	353.8	354.2
25°	904.1	740.4	519.6	434.7	398.3	375.7	362.2	351.6	342.2	336.3	336.7
27.5°	980.2	787.4	526.2	426.7	385.5	360.7	345.1	334.5	325.4	319.9	319.2
30°	1081.9	848.7	533.5	416.9	369.5	344.3	329.0	318.1	309.4	304.3	304.3
32.5°	1196.3	923.4	538.6	405.2	351.6	326.9	313.0	304.3	297.7	290.8	290.1
35°	1295.8	981.3	554.2	396.1	336.0	310.5	301.0	294.8	285.0	278.4	277.3
37.5°	1441.9	1083.3	600.5	393.5	317.0	297.7	295.9	284.2	272.9	260.5	259.4
40°	1677.3	1260.1	654.4	381.2	297.3	290.8	289.0	273.3	246.7	239.0	237.6
42.5°	1976.8	1472.9	660.3	345.1	283.5	285.0	279.5	248.9	237.2	231.4	229.9
45°	2247.2	1645.6	627.1	308.3	273.3	276.2	264.9	239.8	233.2	227.7	226.3
47.5°	2399.1	1698.8	564.4	280.6	265.6	268.6	241.6	235.4	228.8	223.4	221.9
50°	2441.8	1652.5	491.6	264.5	259.8	260.9	235.4	231.8	225.9	221.5	219.4
52.5°	2450.2	1583.3	424.1	255.1	255.4	245.6	229.9	227.0	223.4	216.4	213.9
55°	2453.8	1521.0	363.7	249.2	252.5	225.9	224.1	221.9	219.0	211.7	210.3
57.5°	2463.3	1441.2	316.3	244.9	248.9	216.8	217.5	216.1	212.4	209.2	208.4
60°	2436.3	1330.8	279.9	240.5	243.8	209.2	209.9	210.6	207.3	206.6	206.2
62.5°	2345.9	1174.1	248.9	234.7	233.2	201.5	201.5	204.4	201.5	202.6	202.6
65°	2159.7	974.4	221.2	223.7	216.8	193.1	192.8	197.9	193.5	198.2	198.6
67.5°	1842.4	737.5	192.8	206.6	199.7	184.4	185.8	189.8	184.0	193.9	193.9
70°	1458.3	501.8	163.2	182.6	182.2	174.5	179.3	178.9	172.4	186.9	184.4
72.5°	1086.2	322.1	133.0	153.0	159.2	164.0	172.7	165.1	158.9	167.3	159.6
75°	759.0	201.9	104.9	121.0	132.6	152.3	164.7	149.4	140.3	137.7	135.6
77.5°	454.4	129.0	82.7	92.2	103.5	138.5	154.5	133.0	119.2	117.7	113.3
80°	209.5	84.2	63.0	68.9	73.6	118.8	140.7	113.7	96.9	95.5	90.4
82.5°	94.7	55.4	47.0	49.2	49.6	94.4	118.8	90.0	74.0	119.9	103.9
85°	44.1	35.7	30.6	29.2	29.5	63.0	86.4	61.9	84.2	65.6	49.9
87.5°	18.9	18.2	15.7	12.4	11.3	13.5	33.2	25.9	36.8	14.6	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)